FIG.1

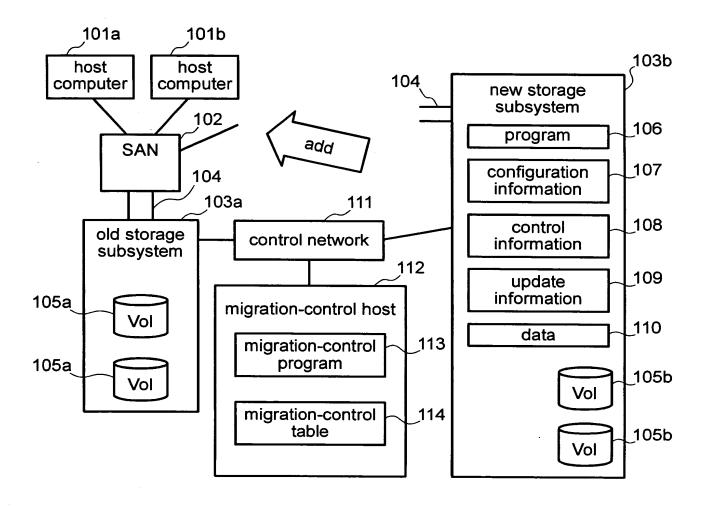


FIG.2

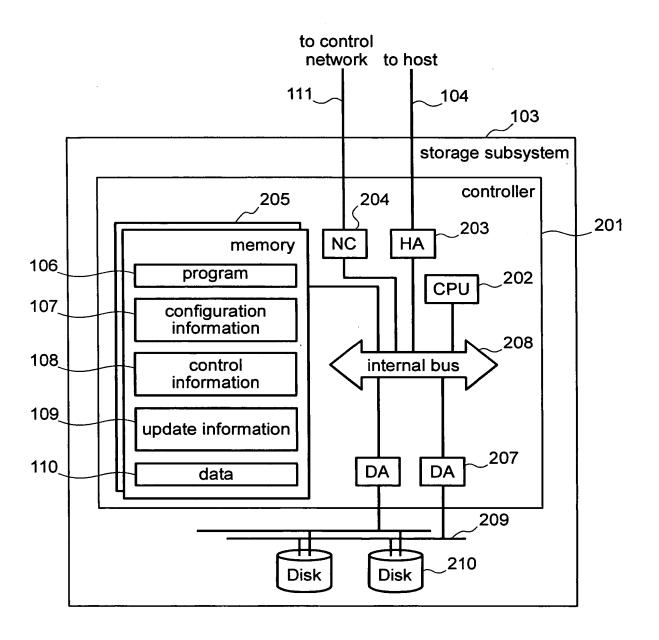


FIG.3

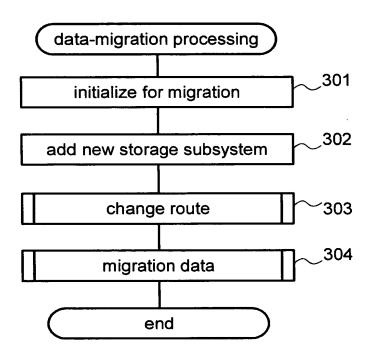


FIG.4

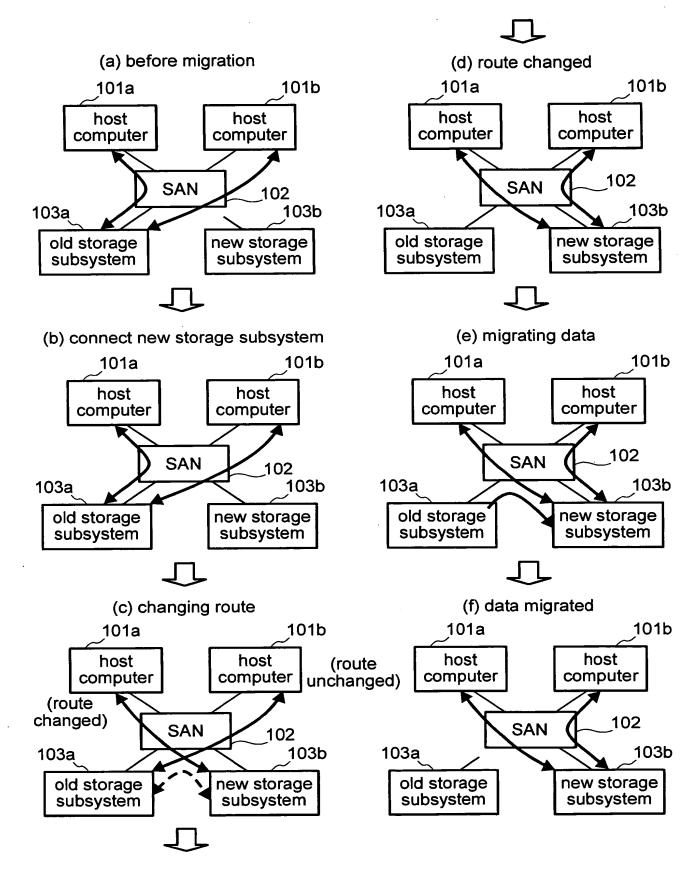


FIG.5

_			~505	206	~507	~208
	m	write		new→old	new storage subsystem	new storage subsystem
504	new storage subsystem	read	inaccessible	weu←plo	data-unmigrated area: old→new data migrated area: new	new storage subsystem
503	old storage subsystem	read write	old storage subsystem	old storage subsystem	inaccessible	inaccessible
501 <sub>5</sub> 02	migration status	,	before route change	route-changing phase	data-migration phase	after data migration
) 20	#		~	2	က	4

FIG.6

601	602	603	604	605	;
Gr.ID	Status	old storage subsystem ID	new storage subsystem ID	detail	114
G00	transferred	S00-0000 S00-0001	S08-0000 S08-0001	/home /usr	
G01	data transferring	S01-0000 S01-0001 S01-0002 S01-0003	\$09-0000 \$09-0001 \$09-0002 \$09-0003	/DBTable /log /backup0 /backup1	
G02	route changing	\$02-0000 \$02-0001 \$02-0002 \$02-0003	\$09-0004 \$09-0005 \$09-0006 \$09-0007	/dept0 /dept1 /dept2 /dept5	
G03	untransferred	S02-0004 S02-0005	S09-0008 S09-0009	/test0 /test1	

FIG.7

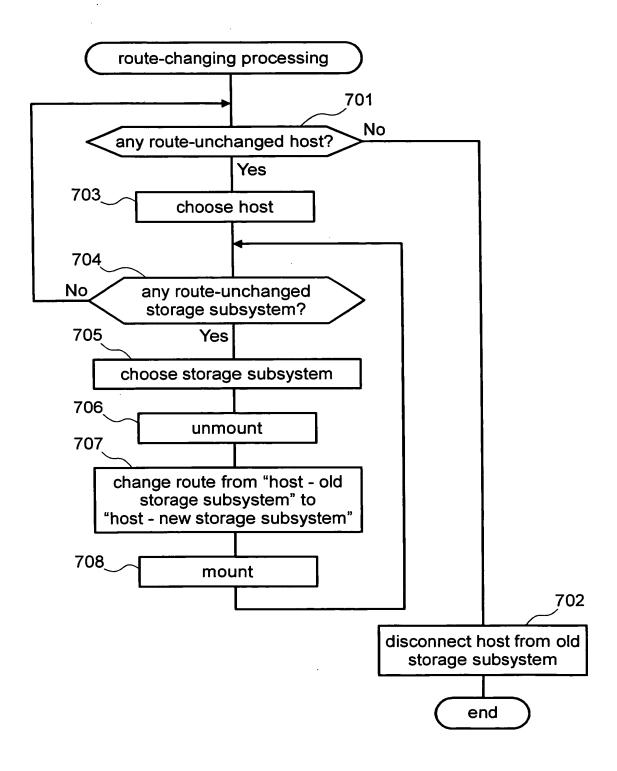


FIG.8

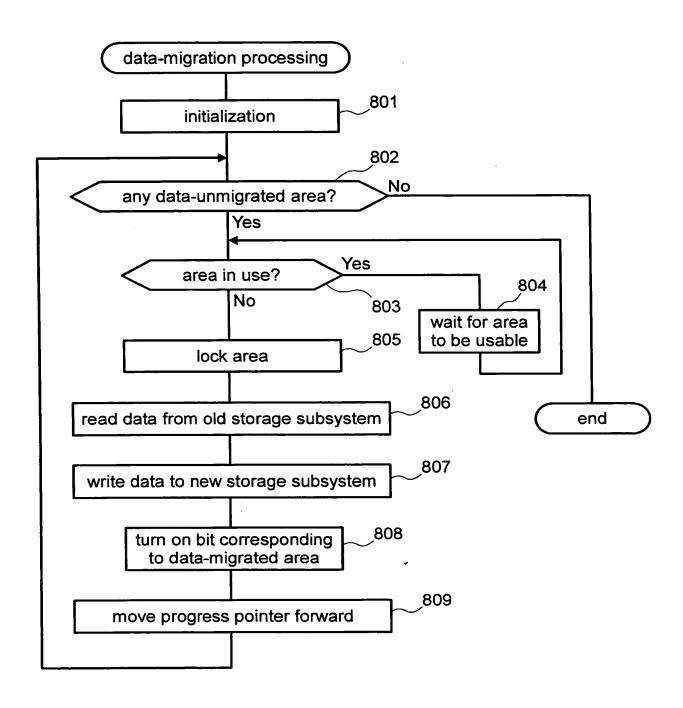
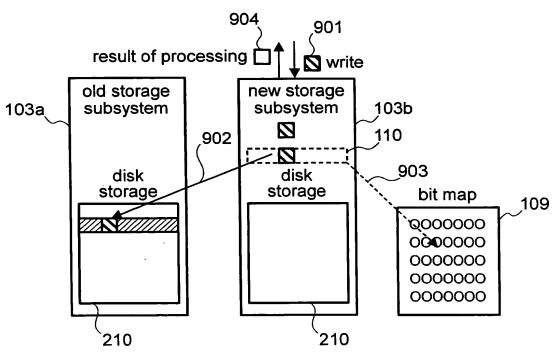
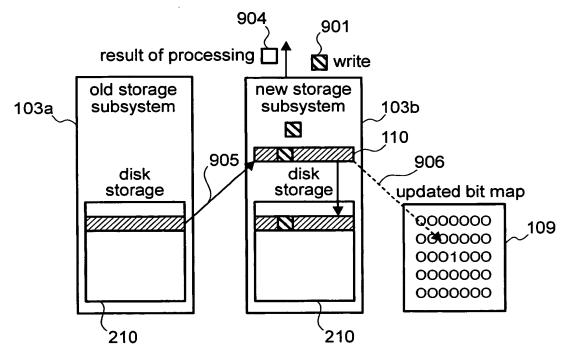


FIG.9

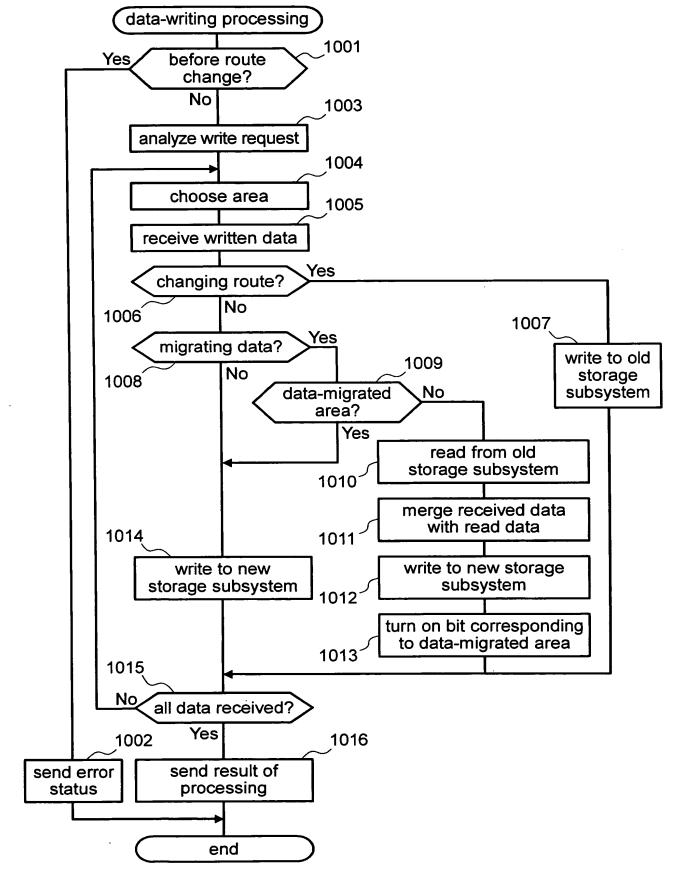
(a) route-changing phase



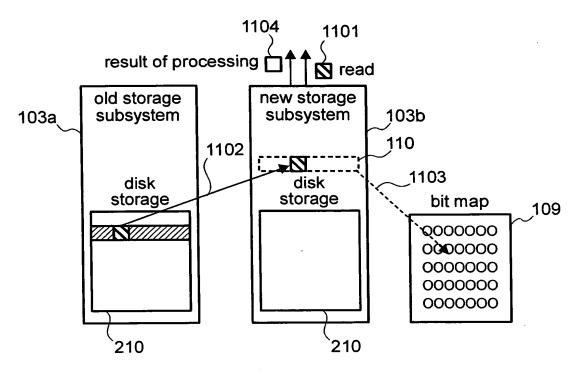
(b) data-migration phase (processing to data-unmigrated area)



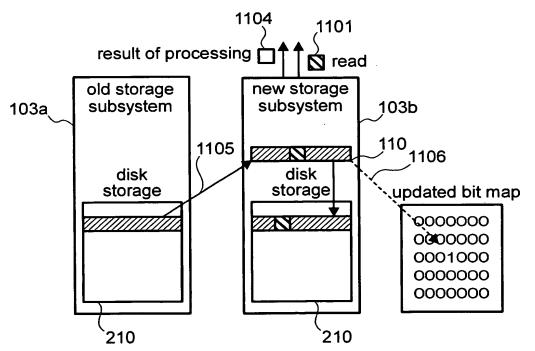
**FIG.10** 



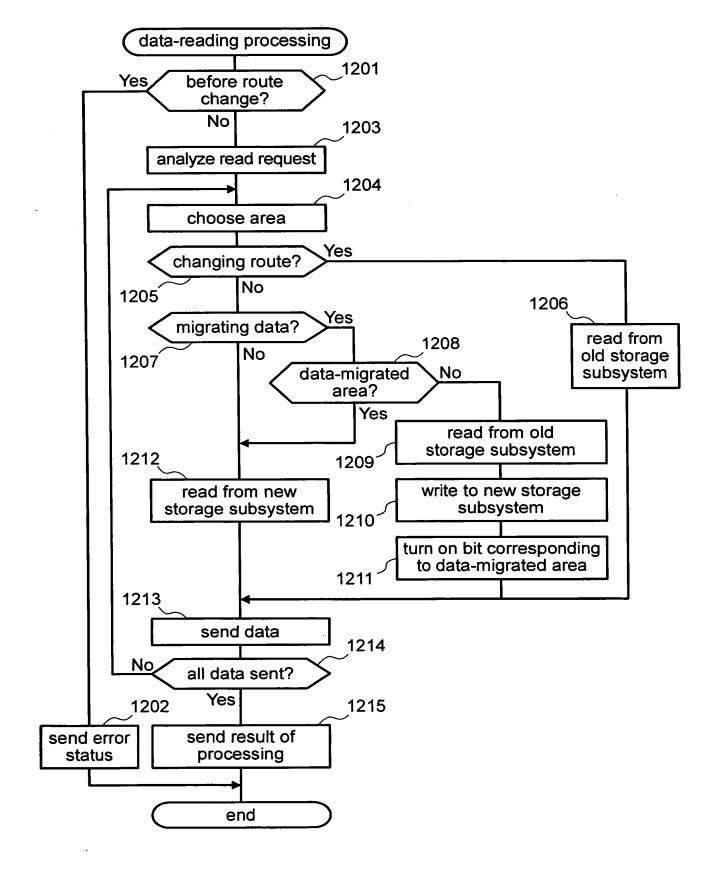
## (a) route-changing phase



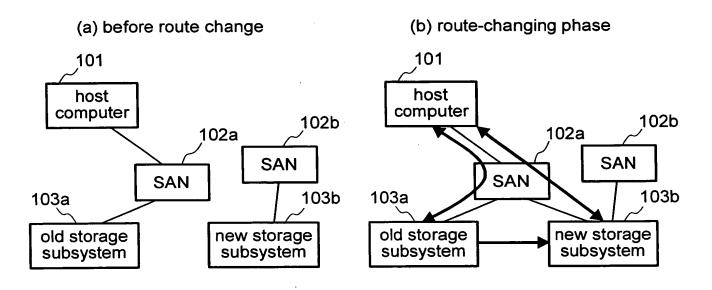
(b) data-migration phase (processing to data-unmigrated area)

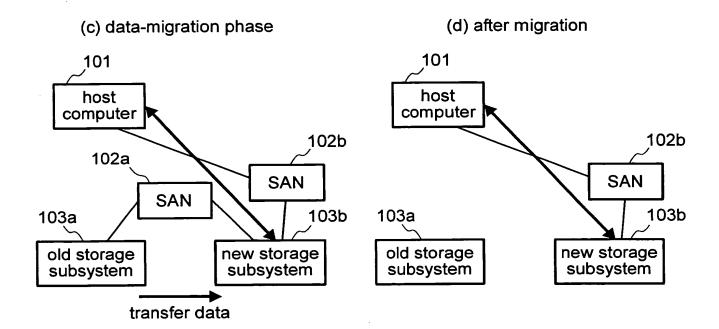


**FIG.12** 

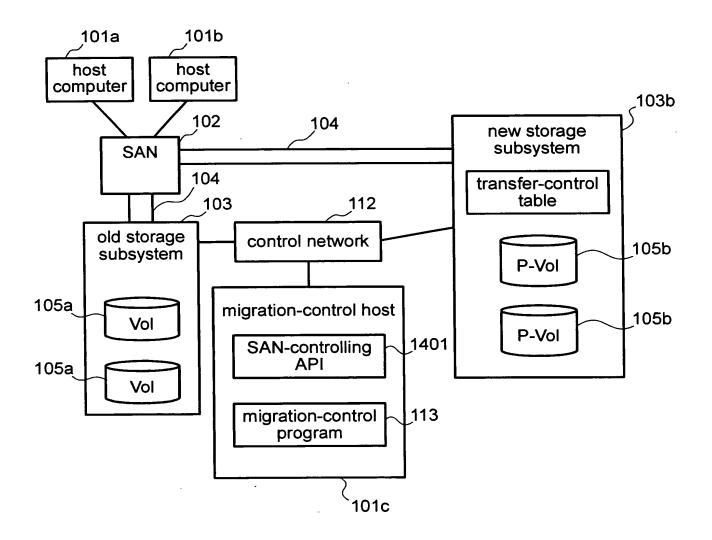


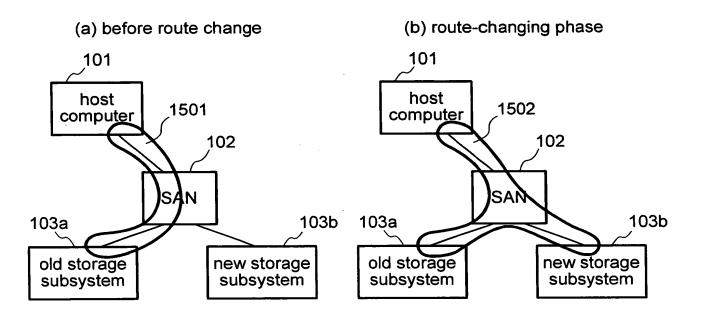
**FIG.13** 

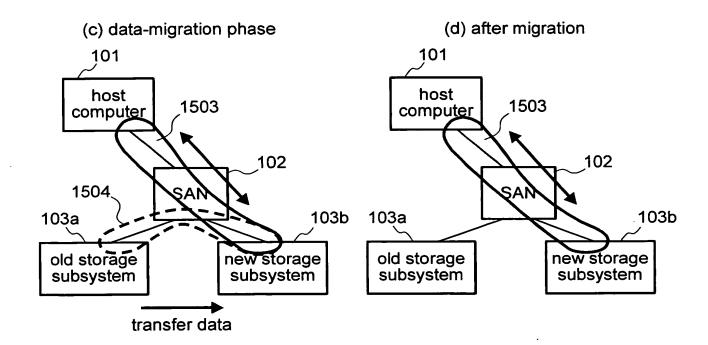




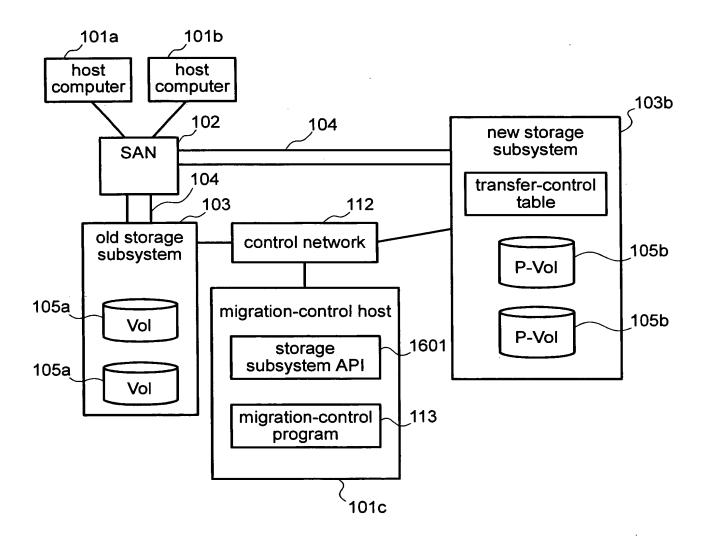
**FIG.14** 

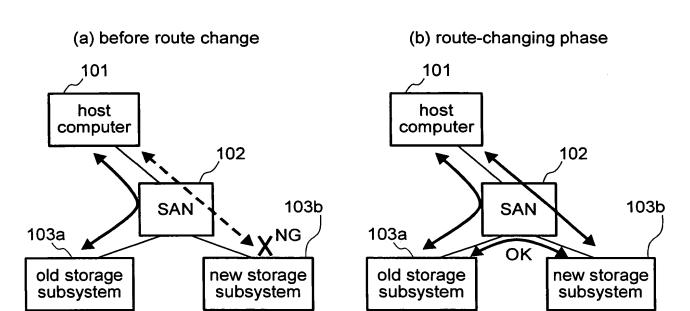


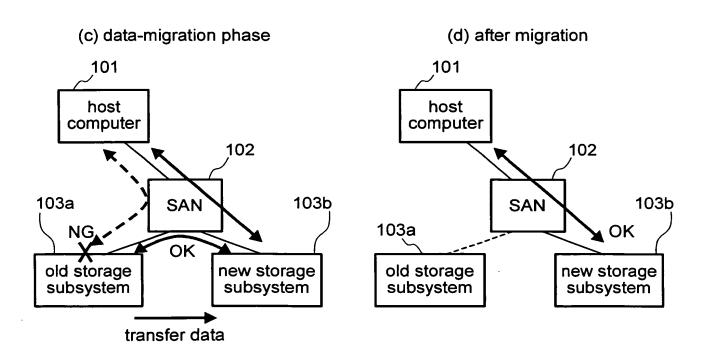




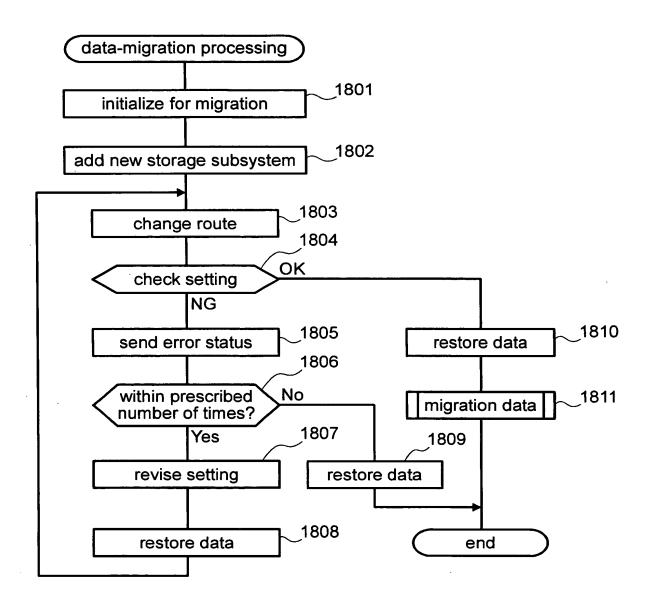
**FIG.16** 







**FIG.18** 



$\sim$	,1901 1902 ) )	1903 >	1904		
#	migration status	old storage subsystem	new storage subsystem	m	
	•	read write	read	write	
_	before route change	old storage subsystem	inaccessible		√1905
2	debugging mode	inaccessible	not updated: old→new updated: new	new storage subsystem	√1906
3	data-migration phase	inaccessible	data-unmigrated area: old⊸new data-migrated area: new	new storage subsystem	
4	after data migration	inaccessible	new storage subsystem	new storage subsystem	~1908